

We Claim:-

1. Imaging apparatus comprising a record medium support  
5 on which a record medium is mounted in use; a radiation  
beam generator for generating a radiation beam modulated  
with imaging data which is directed towards the support; a  
system for causing relative scanning movement between the  
beam and the support; and a detection system for detecting  
10 radiation emitted from the support or record medium in  
response to incident radiation from the radiation beam  
generator, the emitted radiation having a different  
wavelength from the incident radiation, so as to monitor  
for a change in intensity of the detected radiation  
15 indicative of the passage of the record medium edge.
2. Apparatus according to claim 1, wherein the radiation  
beam generator is operable in an edge detection mode and in  
an imaging mode, the intensity of the radiation beam in the  
edge detection mode being less than that in the imaging  
20 mode.
3. Apparatus according to claim 2, wherein the radiation  
beam generator is responsive to the detection of a change  
in intensity of emitted radiation detected by the detection  
system to switch between the edge detection and imaging  
25 modes.
4. Apparatus according to claim 1, wherein the emitted  
radiation is one of fluorescent, Raman and anti-Raman  
radiation.
5. Apparatus according to claim 1, further comprising an  
30 optical system for guiding the imaging radiation to the  
support, the optical system also being adapted to guide the  
emitted radiation to the detection system.
6. Apparatus according to claim 5, wherein the optical  
system includes a wavelength splitter for diverting the  
35 emitted radiation to the detection system.

7. Apparatus according to claim 1, wherein the apparatus comprises one of a flat bed, internal, and external drum scanner.

8. Apparatus according to claim 1, wherein the support is  
5 fluorescent.

9. Apparatus according to claim 1, wherein the support is not fluorescent.

10. Apparatus according to claim 1, further comprising a record medium on the support.

10 11. Apparatus according to claim 9, wherein the record medium exhibits a higher intensity fluorescence than the support when exposed to radiation from the radiation beam generator.

12. A method of detecting the location of an edge of a  
15 record medium on a support, the method comprising scanning a radiation beam across the support; monitoring radiation emitted from the support and record medium having a wavelength different from the radiation beam; and determining the location of the record medium edge when a  
20 change in intensity of emitted radiation is detected.

13. A method according to claim 12, further comprising modulating the radiation beam with imaging data when it scans across the record medium.

14. A method according to claim 12, wherein the emitted  
25 radiation is one of fluorescent, Raman and anti-Raman radiation.

15. A method according to claim 12, wherein the support comprises one of a flat bed, internal, and external drum.

16. A method according to claim 12, wherein the support is  
30 not fluorescent.

17. A method according to claim 12, wherein the support is less fluorescent than the record medium.

18. A method according to claim 12, wherein the support is more fluorescent than the record medium.